RoboSHOT 40 UHD

Professional PTZ Camera

ORDERING INFORMATION

Black

999-9952-000 (North America)

999-9952-001 (Europe/UK)

999-9952-009 (Australia/New Zealand)

White

999-9952-000W (North America)

999-9952-001W (Europe/UK)

999-9952-009W (Australia/New Zealand)

OVERVIEW

Genlock

Designed with a genlock external sync port, the RoboSHOT 40 UHD camera provides accurate synchronization in multi-camera broadcast environments. The camera also offers phase compensation to fine-tune and adjust the genlock signal.

Super Resolution Zoom

In addition to an incredible 30x zoom with 4K resolution at 30fps, you can achieve full high definition 40x zoom with 1080p/60fps performance with the latest advancements in digital super resolution zoom.

Enhanced Wide Dynamic Range (WDR)

With its back-illuminated CMOS image sensor, RoboSHOT 40 UHD offers more powerful image signal processing (ISP) – resulting in better light-gathering capabilities, incredible contrast and sharp 4K video, even in dim lighting conditions. Enhanced WDR makes the darker part of an image brighter, and automatically corrects brightness and contrast to show more detail on brighter portions of the image. Enhanced WDR evens out backgrounds with bright windows, varied light settings like sanctuaries or outdoor live events. The WDR can be turned off and on via the web interface.

Spotlight Compensation Mode

Expect exceptional performance in the presence of high intensity spotlights seen in performance halls, live event venues, and night-time outdoor sporting events.

Smooth & Silent Pan Tilt Zoom Motion

Experience the world's smoothest pan, tilt and zoom operation with Vaddio's next generation silent motors paired with Tri-Synchronous motion algorithms. Even at full zoom, the RoboSHOT 40 UHD moves with no jitter or bouncing.

Flexible Mounting Options

Like most other RoboSHOT cameras, RoboSHOT 40 UHD can be inverted, ceiling mounted or wall mounted for maximum flexibility.

Remote Management

RoboSHOT 40 UHD offers an intuitive user interface for administrative control and remote operation via web interface.

Exceptional Value

RoboSHOT 40 UHD is an outstanding broadcast quality PTZ camera with 40x zoom, genlock capabilities, smooth motor movement and outstanding image quality – all at a surprisingly competitive price for the entry-level broadcast PTZ camera market.

FEATURES

- Back-illuminated 8.51 Megapixel, ultra-high definition 1/2.5 Type Exmor R CMOS Sensor delivers native 2160p/30 (3840 x 2160) video
- 20x optical zoom with 30x lossless zoom at 3840 x 2160. Achieve 40x zoom at full high definition resolution
- Simultaneous SDI, HDBT, HDMI and IP (H.264) streaming outputs
- Imaging and performance comparable to 3-chip cameras
- Full administrative control via web interface; manage remotely while monitoring the stream separately

TECHNICAL SPECIFICATIONS

Video & Image	**Outputs/protocols**	HDMI, HDBT, HD-SDI, IP (H.264)
	Aspect ratio	HDMI: 16:9 (all resolutions) IP (H.264) Streaming: 16:9, 3:2 and 4:3
	HDMI resolutions/frame rates	QFHD: 2160p/29.97/25 (3840 x 2160) FHD: 1080p/59.94/50/29.97/25,1080i/59.94/50 HD: 720p/59.94/50
	3Gb/s HD-SDI resolutions/frame rates	FHD:1080p/59.94/50/29.97/25,1080i/59.94/50 HD: 720p/59.94/50
	Streaming	Simultaneous IP (RTSP or RTMP format with H.264 compression) up to 1080p/30
Camera	**Image device**	1/2.5 Type Exmor R CMOS Sensor, 4K
	Pixels	8.51 million; (8.57M Total Megapixels)
	Lens	20x optical zoom, f=4.4mm wide end to 88.4mm tele end, F2 to F3.8
	Digital Zoom	30x at QFHD (3840x2160p), 40x at FHD (1920x1080P)
	Horizontal FOV	70.2° wide end to 2.05° tele end
	Pan angle speed	±160°, 0.35°/sec to 120°/sec
	Tilt angle speed	+90, -30°, 0.35°/sec to 120°/sec
	Min. working distance	80mm (wide), 800mm (tele)
	Min. illumination	1.6 lux; 100+ lux recommended
	Backlight compensation	On/off
	Aperture/detail	16 steps
	Focusing system	Auto Focus / Manual Focus Mode / One-push Trigger Mode
	Gain	Auto / Manual (0 to 33 dB)
	White balance	Auto, ATW, Indoor, Outdoor, One-push, Manual
	S/N ratio	More than 50 dB
	Power	12 VDC, 3.0 A, LTPoE++
	Remote management	IR Remote, web interface, Telnet and RS-232 command APIs
	Enhanced Wide Dynamic Range	Yes
	Spotlight Compensation Mode	Yes
	Noise Reduction	Yes
	Color Bar Generator	Yes
	Presets	16 + Custom Home
	Sync system	Yes, Genlock
Physical & Environmental	**Weight**	6 lbs (2.7 kg)
	Height	7.9 in (200 mm)
	Width	8.0 in (203 mm)
	Depth	5.5" (145 mm)
	Operating/storage temperature	0°C to +40°C (32°F to 104°F)
	Operating/storage humidity	20% to 80% RH, non-condensing

Specifications are subject to change without notice.